

UCRSF
1.1.1-2
3/19/04

Monica Tonel

03/19/2004 08:21 AM

To: Tara Martich/R10/USEPA/US@EPA

cc:

Subject: FW: Fwd: correspondence with Parametrix/Teck Cominco

fyi

----- Forwarded by Monica Tonel/R10/USEPA/US on 03/19/2004 08:20 AM -----

David Croxton

03/18/2004 03:16 PM

To: Sally Thomas/R10/USEPA/US@EPA, Monica

Tonel/R10/USEPA/US@EPA

cc:

Subject: FW: Fwd: correspondence with Parametrix/Teck Cominco

Preston and BoR want to make sure that they don't do anything to mess things up so they want us to be aware of this request to them.

----- Forwarded by David Croxton/R10/USEPA/US on 03/18/2004 03:14 PM -----



Preston Sleeper

(b)(6)

To: David Croxton/R10/USEPA/US@EPA

cc:

Subject: FW: Fwd: correspondence with Parametrix/Teck Cominco

03/18/2004 02:24 PM

Please respond to reopn

> [Original Message]

> From: Craig Sprankle <CSPRANKLE@pn.usbr.gov>

> To: Scott Lund <SLUND@pn.usbr.gov>; Monte McClendon

<MMCLENDON@pn.usbr.gov>; (b)(6)

> Cc: Steven Sauer <SSAUER@pn.usbr.gov>; Greg Behrens

<GBEHRENS@pn.usbr.gov>; David Lyngholm <DLYNGHOLM@pn.usbr.gov>

> Date: 03/12/2004 11:44:26 AM

> Subject: Fwd: correspondence with Parametrix/Teck Cominco

>

> I received the attached note from Greg Behrens. He has been contacted
> by Parametrix, a company hired by Teck Cominco to gather data on Lake
> Roosevelt in light of EPA's issuing of an Administrative Order against
> TC.

>

> It sounds like what Parametrix wants to do will provide beneficial data
> for everyone working on the lake and they have expressed a willingness
> to share it. They have not, yet, asked for money as Greg says in the
> note and might not.

>

> We need guidance on how we should proceed with them. I don't want to
> get crosswise with EPA, the Tribes, or anyone else. Thanks.

>

> Craig

--- Preston Sleeper

--- (b)(6)

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USEPA SF



1404434

March 12, 2004

Information Gathering and Sharing of Lake Roosevelt's Physical Parameters by Parametrix and Teck Cominco, Ltd.

Craig,

To summarize our conversation this morning regarding Teck Cominco, Ltd. and their contracted data collection and research company, Parametrix, Inc., of Sumner, Washington (www.parametrix.com)

I have had several conversations with Margaret Spence and Richard McGee, employees of Parametrix, regarding any geospatial information we have for Lake Roosevelt. They indicated they were contracted by Teck Cominco to begin data gathering of available information along Lake Roosevelt which they could use in their research of the heavy metals issue from the lead/zinc smelter in Trail, British Columbia. I have shared with Parametrix our georeferenced digital imagery of Lake Roosevelt, which we collected during May and June, 2002, and our topographic data, which includes bathymetric data down to elevation 1160. This data which we shared has no sensitivity carried with it and is shared with the counties, local tribes and Park Service.

What Parametrix is doing now is asking for a cooperative standing with the Lake Roosevelt governing bodies, i.e., the tribes, Park Service, counties, Bureau of Reclamation, etc, to collect additional physical information of the lake. This information would include the following:

- 1) Complete an aerial photography fly-over of the lake, from the dam up to the border, with georeferenced photography, at a resolution of approximately 0.5 foot. Our flight which we did in May/June of 2002 collected imagery of approximately 0.5 meters. This imagery would be very high resolution and the desired time which they would like to collect it would be during our maximum drawdown this spring.
- 2) Conduct a LIDAR (Light Detecting and Ranging) flight of the lake and near reservoir area during maximum drawdown. LIDAR would be used to remotely collect, from an aerial flight, the surface topography of the near shore area exposed during drawdown, and the immediate upland areas of the reservoir. This is estimated to result in a topographic map with a contour resolution of 1-foot. Very high resolution topography!
- 3) Conduct a multibeam bathymetric survey of the lake bottom during full pool, from the dam to the border. This would be achieved by a boat(s) equipped with a multibeam sonar (depth sounder) instrument pinging the bottom and mapping the bottom topography. This survey would be done at full pool so they could collect as much information as possible. They would then combine this bathymetric data with the LIDAR data, which was conducted during low pool elevation, and complete their bathymetric map with the near shore topography in the shallow areas.
- 4) They are also researching the possibility of borrowing our negatives from the 1974 aerial flight which we conducted during the extreme drawdown of that year. It was from this flight which we generated our 10-foot contour maps. They are hoping to refine the imagery and topography to construct 5-foot contour maps and georeference the photography so that it could be brought into a GIS program and overlain on the more recent imagery. This would provide an excellent tool for analyzing any sediment transport during the last 30 years.

From what I am feeling from the folks at Parametrix is they would like us to be a cooperative party in this research effort, and possibly provide some support, not necessarily monetary, but certainly in the public relations end, for this research.

All of this raw information would be shareable with us. This is reservoir data which we have desired for quite some time but could not afford the luxury of acquiring. I know the NPS and tribal archaeologists could use all of this information for their research and the fisheries folks have expressed their desires of obtaining a complete bathymetric model of the reservoir for their modeling.

They have not expressed any monetary funding for this research and I believe they just want to have our public support in their research efforts. I know our project could make use of all of this data in our lands management efforts and in our reservoir rim stability investigations. The information they would gather would be simply the physical parameters of Lake Roosevelt and would not be biased in any manner. There is always the possibility with any data to further distort and manipulate it to portray different conditions but if unbiased collection and sharing of the raw information is done the likelihood of this occurring is lessened considerably.

I believe these studies would fall well within the CERCLA guidelines, using the 'best available technology', and follow the rigors and standards required resulting in an excellent baseline product. The data collected would certainly be beneficial for everyone. We would of course want to 'pre-approve' their collection methods before we could offer official support. I would think a review of their data collection methodology by our project personnel and our Remote Sensing group in the Denver Technical Service Center could evaluate this.

I will keep you abreast of any further developments as I am made aware of them. My only contacts with Parametrix to date have been with:

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Greg Behrens